

CLAIMS

1. A device (10) for control of the flow through a production tube (6) placed in an oil well (1), the device (10) comprising a portion (8) of the production tube (6) provided with through orifices (30) and means (32, 34) of providing the device with resistance to wear by erosion, the device (10)
5 also comprising a sliding sleeve (18) that can be controlled to adjust the flow, characterised in that the protection means (32, 34) comprise several add-on sectors (32) assembled around the portion (8) of the tube (6), each add-on sector (32) being provided with an associated inner stiffener (34) penetrating into the portion (8) of the production tube (6) through at least
10 one through orifice (30), at least one of the add-on sectors (32) being provided with at least one opening (16) extending through the sector and its associated inner stiffener (34).
2. A device (10) according to claim 1, characterized in that the add-on sectors
15 (32) form a protective envelope around the external surface of the said portion (8) of the production tube (6).
3. A device (10) according to claim 1 or claim 2, characterized in that the
20 add-on sectors (32) are fixed onto the said portion (8) of the production tube (6) by means of two clamping rings (36, 38) provided around the said portion (8) of the production tube (6).
4. A device (10) according to any one of the previous claims, characterized in
25 that each add-on sector (32) comprises an upper groove (40) and a lower groove (42) located at its upper end and its lower end respectively, the upper groove (40) and the lower groove (42) being designed to hold an upper clamping ring (36) and a lower clamping ring (38), respectively.

5. A device (10) according to any one of the previous claims, characterized in that the sliding sleeve (18) is capable of sliding on the add-on sectors (32) in order to close the openings (16) in a known manner.
- 5 6. A device (10) according to any one of the previous claims, characterized in that each add-on sector (32) comprises several openings (16) with different shapes.
- 10 7. A device (10) according to any of the previous claims, characterized in that each add-on sector (32) and its associated inner stiffener (34) are superposed and each is approximately in the shape of an annular portion.
- 15 8. A device (10) according to any of the previous claims, characterized in that the shape of the inner stiffener (34) of each add-on sector (32) is approximately complementary to the shape of the through orifice (30) in which it is located.
- 20 9. A device (10) according to any of the previous claims, characterized in that the inner stiffener (34) of each add-on sector (32) is provided with a seal that matches the inner part of the through orifice (30) in which it is located.
- 25 10. A device (10) according to any one of the previous claims, characterized in that each add-on sector (32) is made from a material from among the group composed of tungsten and ceramic.
11. A device (10) according to any one of the previous claims, characterized in that it comprises several sets of sectors (32), each set having different openings (16).